

What is claimed is:

1. A device comprising:
 - an inlet for receipt of a sample,
 - a first chamber coupled to the inlet, the first chamber including at least one affinity region;
 - a second chamber disposed adjacent to the first chamber, the first chamber and second chamber sharing a common intermediate member, the intermediate member having at least one via formed in the common intermediate member, the second chamber including an assay chip comprising an array of addressable electrodes; and
 - an outlet coupled to the second chamber.
2. The system of claim 1 wherein the first chamber further includes a plurality of electrodes.
3. The system of claim 1 wherein the at least one affinity region comprises an affinity matrix.
4. The system of claim 1 wherein the at least one affinity region comprises a membrane.
5. The system of claim 1 further comprising an electrode adjacent to the at least one via.
- 20 6. The system of claim 1 wherein the at least one affinity region has an affinity to nucleic acids.
7. A method of using the device of claim 1 wherein the first chamber is used to amplify nucleic acids contained in the sample.

8. The method of claim 8 wherein the amplified nucleic acid is eluted through the via and into the second chamber.